

Table F-12. Predicted Maximum Concentrations of Various Constituents at the H-Area Retention Basin^{a,b}

Constituent	Applicable standard ^d	Monitoring data maximum mean concentration	PATHRAE-modeled maximum concentration ^c					
			No action		No waste removal and closure		Waste removal and closure	
			1-m well	100-m well	1-m well	100-m well	1-m well	100-m well
Strontium-90	42	(e)	14000 (2007)	(f)	3800 (2021)	(f)	2200 (2021)	(f)
Yttrium-90	550	(e)	14000 (2007)	(f)	3800 (2021)	(f)	2200 (2021)	(f)

^aSource: Adapted from Scott, Killian, Kolb, Corbo, and Marine, 1987.

^bConcentrations are in picocuries per liter.

^cYear of occurrence in parentheses.

^dICRP Publication 30 (ICRP, 1979) methodology was used to determine concentrations that yield annual effective whole-body dose of 4 millirem.

^eNot reported.

^fBelow applicable standard.